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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/802,548	03/16/2004	Hung-Wei Chang	DF-04700	3718

7590 01/04/2006

HAVERSTOCK & OWENS LLP
162 North Wolfe Road
Sunnyvale, CA 94086

EXAMINER

WRIGHT, INGRID D

ART UNIT	PAPER NUMBER
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2835

DATE MAILED: 01/04/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

EF

Office Action Summary	Application No. 10/802,548	Applicant(s) CHANG ET AL.	
	Examiner Ingrid Wright	Art Unit 2835	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 16 March 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-22 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-22 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 16 March 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Specification Objections

1. The specification is objected to in regards to pages 5-7 of the specification of the instant application. The specification is objected to as failing to provide proper antecedent basis for the claimed subject matter. See 37 CFR 1.75(d)(1) and MPEP § 608.01(o). Correction of the following is required for pages 5-7 of the specification.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-22 are rejected under 35 U.S.C. 102(b) as being anticipated by Hsu et al. US 20030048600 A1.

With respect to claim 1, Hsu et al. teaches (fig. 3) a two-sided engaging device for engaging frames (211,315,314) of a portable device (1), comprising: a main body (43,44) disposed on a first frame (315,314) and of said portable device (1); an engaging element (42) connected to said main body (43,44) and having two hooks (423,424); wherein said hooks (423,424) are respectively positioned at an upper side and a lower side (see, fig. 3) of said engaging element (42), at least one pillar (413); and a switch (see, fig. 3) having at least one Z-shaped guiding groove (421) for guiding said pillar (413) passing therethrough so as to switch a position of said engaging element (42).

With respect to claim 2, Hsu et al. teaches (fig. 3) a two-sided engaging device (42) further comprises a slider (412) attached to said switch (see, fig. 3) for a user to easily move said slider

(412).

With respect to claim 3, Hsu et al. teaches (see, fig. 2) a portable device (1), which is a laptop computer (col. 1, par. 0017).

With respect to claim 4, Hsu et al. teaches (see, fig. 3) a portable device (1), which is a tablet computer (see, col. 1, par. 0005 & 0006).

With respect to claim 5, Hsu et al. teaches (see, fig. 3) a main body (43,44), which further comprises an elastic element (431) urging against said first frame (315,314) for generating a force in response to a press applied thereon.

With respect to claim 6, Hsu et al. teaches (see, fig. 3) an elastic element (431), which is a spring.

With respect to claim 7, Hsu et al. teaches (see, fig. 3) an engaging element (42) has a structure of cross type.

With respect to claim 8, Hsu et al. teaches (see, fig. 2) a portable device (1), which further comprises a second frame (211).

With respect to claim 9, Hsu et al. teaches (see, fig. 2) a second frame (211), which further comprises a receiver (213) for engaging with said engaging element (42).

With respect to claim 10, Hsu et al. teaches a first frame (315,314), which further comprises a first opening (317) and a second opening (316) disposed respectively on a first surface and a second surface thereof for said engaging hooks (423,424) passing therethrough.

With respect to claim 11, Hsu et al. teaches when a switch (see, fig. 3) reaches a first position by switching said slider (412) in a lateral direction, one of said engaging hooks (423,424) protrudes said first opening (317) of said first frame (315,314).

With respect to claim 12, Hsu et al. teaches a switch (see, fig. 3) reaches a second position by switching said slider (412) in an opposite lateral direction, the other of said engaging hooks

(423,424) protrudes said second opening (316) of said first frame (315,314).

With respect to claim 13, Hsu et al. teaches (see, fig. 3) a two-sided engaging device for engaging frames (211,315,314) of a portable device (1), comprising: a main body (43,44) disposed on a first frame (315,314) of said portable device (1); an engaging element (42) connected to said main body (43,44) and having two first engaging media (423,424) and at least one guiding medium (413); wherein said first engaging media (423,424) are respectively positioned at an upper side and a lower side of said engaging element (42); and a switch (see, fig. 3) having at least one Z-shaped guiding groove (421) for guiding said guiding medium (413) passing therethrough so as to switch a position of said engaging element (423,424).

With respect to claim 14, Hsu et al. teaches (see, fig. 3) a main body (43,44), which further comprises an elastic element (431) urging against said first frame (315,314) for generating a force in response to a press applied thereon.

With respect to claim 15, Hsu et al. teaches (see, fig. 3) a first engaging medium (423,424), which is a hook.

With respect to claim 16, Hsu et al. teaches (see, fig. 3) a guiding medium (413), which is a pillar.

With respect to claim 17, Hsu et al. teaches (fig. 2) a portable computer (1), which further comprises a second frame (211).

With respect to claim 18, Hsu et al. teaches (fig. 2) a second frame (211), which further comprises a second engaging medium (213) for engaging with said engaging element (42).

With respect to claim 19, Hsu et al. teaches (fig. 2) a second engaging medium (213) is a receiver.

With respect to claim 20, Hsu et al. teaches a first frame (315,314), which further comprises a first opening (317) and a second opening (316) disposed respectively on a first surface and a

second surface thereof for said engaging hooks (423,424) passing therethrough.

With respect to claim 21, Hsu et al. teaches when a switch (see, fig. 3 & 7) reaches a position by switching said slider in a lateral direction, one of said first engaging media (423,424) protrudes said first opening (317) of said first frame (315,314).

With respect to claim 22, Hsu et al. teaches (see, fig. 3 & 5) when a switch (see, fig. 3) reaches a second position by switching said slider in an opposite lateral direction, the other of said first engaging media (424) protrudes said second opening (316) of said first frame (315,314).


Conclusion

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure: Lee et al. 6535380 B1 US shows the state of the art regarding portable computers with hook structures or configurations.

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ingrid Wright whose telephone number is (571)272-8392. The examiner can normally be reached on M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lynn Feild can be reached on (571)272-2800, ext 35. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


LISA LEA-EDMONDS
PRIMARY EXAMINER